

Explain resource sharing

- Different resources are attached to a computer and if they can be used by other computers in the same network it is called resource sharing.
- It is generally possible in local area networks confined to offices or institutes.
- The host requires an operating system to access the resources of the server.
- FTP called the file transfer protocol is used to provide the shared access between host and the server.
- It is cheaper, faster and easier to maintain.

Which transmission medium radiates and how it can be avoided?

- Twisted pair cable radiates energy during transmission.
- Two wires present in the cable constitute an Antenna which radiates energy in all directions.
- The wires are twisted like a DNA present in human blood.
- Waves coming out from the two twisted wires are out of phase by 180 degree so they cancel out.
- Leads to no radiations and also sheath could be provided outside the cable to provide insulation.